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## UTILITY PATENT APPLICATION TRANSMITTAL

Commissioner for Patents  
Washington, D.C. 20231  
BOX PATENT APPLICATIONAttorney Docket No.: 020005  
Date: October 18, 2001  
Express Mail Label No.: EL 903 006 951 US  
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23696

PATENT TRADEMARK OFFICE

Dear Sir:

Transmitted herewith for filing is the patent application of:

Inventor(s): LUCA BLESSENT

For: REVERSE OUTER LOOP OPTIMIZATION FOR COMMUNICATION CHANNELS WITH  
DISCONTINUOUS TRANSMISSION (DTX)

Enclosed are:

1.  Patent application (25) total pages.
2.  Drawings:  Formal ( ) sheet(s) or  Informal (8) sheet(s).
3.  Declaration/Power of Attorney:  Signed  Unsigned
4.  An Assignment ( ) pages and Recordation Form Cover Sheet.
5.  A Preliminary Amendment ( ) pages.
6.  Information Disclosure Statement (IDS):
  - a.  PTO-1449
  - b.  Copies of IDS Citations (number of citations: )
7.  Other:

CLAIMS:	(a) Filed	(b) Extra Claims	Large Entity Fee	Fee Paid
Total*	21 - 20	1	x \$18 =	\$18
Independent**	5 - 3	2	x \$84 =	\$168
Multiple Dependent Claim(s):	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		\$270	\$
APPLICATION FILING FEE			\$740	\$740
			TOTAL FEE	\$908

\*If the number in column a is less than 20, enter 0 in column b.  
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8.  A check in the amount of \$\_\_\_\_\_ is enclosed to pay the filing fee.
9.  Please charge Deposit Account No. 17-0026 of QUALCOMM Incorporated the amount of \$908. The Commissioner is hereby authorized to charge payment of any additional fees which may be required, or credit any overpayment, to said Deposit Account No. 17-0026. A duplicate of this sheet is enclosed for fee processing.
10.  The Commissioner is further hereby authorized to charge to said Deposit Account No. 17-0026, pursuant to 37 CFR 1.25(b), any fee whatsoever which may become properly due or payable, as set forth in 37 CFR 1.16 to 37 CFR 1.18 inclusive, for the entire pendency of this application without specific additional authorization.

Date: October 18, 2001

Signature:

George C. Pappas, Reg. No. 35,065  
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01-10-02 A

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:  
LUCA BLESSENT

For: REVERSE OUTER LOOP  
OPTIMIZATION FOR COMMUNICATION  
CHANNELS WITH DISCONTINUOUS  
TRANSMISSION (DTX)

Serial No.: UNKNOWN

Group Art Unit: UNKNOWN

Filed: HEREWITH  
CERTIFICATE OF MAILING UNDER 37 CFR § 1.10

Commissioner of Patents  
BOX PATENT APPLICATION  
Washington, D.C. 20231

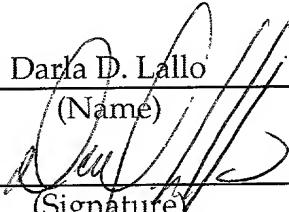
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I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed to the Commissioner of Patents, Box Patent Application, Washington, D.C. 20231. Enclosed herewith are the following documents: TRANSMITTAL LETTER in duplicate; CERTIFICATE OF MAILING UNDER 37CFR § 1.10; PATENT APPLICATION (Drawings in 8 pgs ; Spec. 25 pgs, including 5 pgs of Claims and 1 pg Abstract,); and POSTCARD.

Darla D. Lallo

(Name)



(Signature)

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